



BOYLE  
FREDRICKSON  
NEWHOLM  
STEIN & GRATZ, SC

SUITE 1030

250 EAST WISCONSIN AVENUE

MILWAUKEE, WI 53202

PHONE: 414.225.9755 FAX: 414.225.9753

E-MAIL: MAIL@BOYLEFRED.COM

INTELLECTUAL PROPERTY LAW

TIMOTHY E. NEWHOLM  
DIRECT DIAL: 414-225-1667  
[TEN@BOYLEFRED.COM](mailto:TEN@BOYLEFRED.COM)

November 24, 2003



Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Arlington, VA 22313-1450

Re: Utility Patent Application Transmittal  
Inventor(s): Morio Senba  
Title: *Impeller of Centrifugal*  
Assignee: Japan Servo Co., Ltd.  
Priority: Japanese Patent Appl. No. 350702/2002; filed December 3, 2002  
**USPTO Customer Account No.: 23598**  
Attorney Docket No.: 216.012

Dear Sir:

Enclosed in connection with the above-identified utility patent application are:

- the patent application, consisting of
  - 5 pages of specification,
  - 4 claims on 1 page,
  - 3 Drawings on 3 sheets, and
  - 1 page Abstract;
- our check in the amount of **\$810.00** including the payment of the government filing fee for the filing of a new patent application as a **large** entity (\$770) and the assignment recordation fee (\$40);
- an executed Declaration;
- an executed Assignment from the inventor, Morio Senba, to Japan Servo Co., Ltd.;
- a recordation cover sheet; and
- an executed Appointment of Domestic Representatives.

**Deposit Account Authorization**

The Director is hereby authorized to charge payment of any additional fees associated with this communication or credit any overpayment to Deposit Account No. 50-1170.

**Documents to Follow:**

A certified copy of the priority documents, namely Japanese Patent Appl. No. 350702/2002, filed **December 3, 2002**, *will follow* for the purpose of claiming its priority.

Respectfully submitted,



Timothy E. Newholm  
Registration No. 34,400

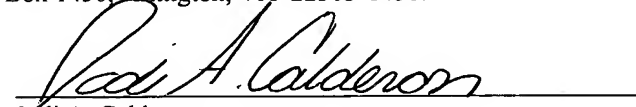
Enclosures  
Customer Account No. 23598

**Certification Under 37 CFR 1.10**

Express Mail Label No: **EV313040911US**

Date of Deposit: **November 24, 2003**

I hereby certify that this paper or fee is being deposited with the United States Postal Service in "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Arlington, VA 22313-1450.

  
Jodi A. Calderon

# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant Claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$810)

## Complete if Known

Application Number  
Filing Date November 24, 2003  
First Named Inventor Senba  
Examiner Name Unassigned  
Art Unit Unassigned  
Attorney Docket No. 216.012

## METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account

Deposit Account Number 50-1170  
Deposit Account Name Boyle Fredrickson Newholm Stein & Gratz S.C.

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Credit any overpayments

☒ Charge any additional fee(s) or any underpayment of fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
1001	770	2001	385	Utility filing fee	
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1) (\$)

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
4	-20**= 0	18	0.00
1	-3**= 0	86	86.00
Multiple Dependent			

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	**Reissue independent claims over original patent
1205	18	2205	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$0)

\*\* or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$40)

## SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Timothy E. Newholm	Registration No. (Attorney/Agent)	34400	Telephone	414.225.9755
Signature				Date	November 24, 2003

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.